

## WHAT IS CLAIMED IS

1. A multiplexer with a DWDM function mainly being comprised of a first module and a second module, an optic fiber being linked between said first module and said second module, a total reflection mirror being configured within the first 5 module and the second module, a plurality of parallel filters being provided under each total reflection mirror, each of the first lens separately corresponding to an adequate angle of inclination under each of the filters, each of the inclined slabs being separately spaced at intervals under each of the first lens, each of the laser diodes being separately provided under each of the inclined slabs, a receiver being 10 provided between the two laser diodes, an optic detector being provided near each of the laser diodes;

at a fit place of a reflection terminal provided at the total reflection mirror, each of the reflection interfaces being provided to receive the total reflection number, and at a side of the reflection interfaces, each of the second lens 15 corresponding to said reflection interfaces being provided to focus a reflected light and then to transmit it to the optic fiber.

2. The multiplexer with the DWDM function as claimed in claim 1, in which said first and second modules are injection moldings of organic whole.